



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Publications in BOOK CHAPTERS

SL No	Faculty Name	Title of the paper	Journal/Conference/Book Chapter	Title of the Journal/Conference/Book Chapter	Scopus/Web of Science	Year of Publication	Quartile
1	Avinash G	Acoustic Analysis of Effect of Louver Window Material in Noise Attenuation	Book Chapter	Recent Advancements in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore,	Scopus	Sep-22	
2	Keerthi Kumar N	Fuzzy-Based Hierarchical Routing Protocol for Wireless Sensor Networks	Book Chapter	Sustainable Computing Transforming Industry 4.0 to Society 5.0, pp 229–240	Scopus	Jan-23	
3	Keerthi Kumar N	Improvement of Flat Plate Collector Performance Using Nano-additives	Book Chapter	Sustainable Computing Transforming Industry 4.0 to Society 5.0, pp 307–317	Scopus	Jan-23	
4	Ravichandra R	Resistance Spot Welding and Laser Welding Effect on Nickel Tab for Electric Vehicle Battery Development. In: Mohd Salleh	Book Chapter	Proceedings of the Green Materials and Electronic Packaging Interconnect Technology Symposium. EPITS 2022. Springer Proceedings in Physics, vol 289. Springer, Singapore	Scopus	Jul-23	
5	Nithya Poornima S	Influence of the Bio-lubricant Along with Nano Compounds as Additives on the Properties of the Lubricant	Book Chapter	Smart Sustainable Materials and Technologies (Volume 1)	Scopus	Mar-24	Q3
6	Madhu M C	Recent Trends in Renewable Energy Sources, Challenges and Opportunities	Book Chapter	Advanced Technologies for Science and Engineering, 2024, Vol. 2, 305-317	Non Scopus	Jul-24	
7	Madhu M C	Research Challenges in Renewable Energy Sources	Book Chapter	Advanced Technologies for Science and Engineering, 2024, Vol. 2, 297-304	Non Scopus	Jul-24	
8	Kiran M D	Tribological Characterization of Nano-Al2O3-Filled Nickel-Coated Short Carbon Fiber-Reinforced Epoxy Composites	Book Chapter	Smart Materials and Manufacturing Technologies for Sustainable Development. SME 2023. Advances in Science, Technology & Innovation. Springer	Scopus	Oct-24	Q3
9	Keerthi Kumar N	Enhancement of Productivity by Reducing Lead Time in, Housing for Power Steering Using Lean Manufacturing Process	Book Chapter	Smart Materials and Manufacturing Technologies for Sustainable Development. SME 2023. Advances in Science, Technology & Innovation. Springer	Scopus	Oct-24	Q3
10	Nagamadhu M	Evolution and recent advancements of composite materials in sports applications	Book Chapter	Applications of Composite Materials in Engineering	Scopus	Oct-24	
11	Avinash G	Aerodynamic Analysis of Ventilated Ducts in Automotive Cooling	Book Chapter	International Conference on Recent Advancements in Mechanical Engineering	Non Scopus	Dec-24	
12	Kiran M D	Influence of Fillers on Machining Process of Polymer Composites	Book Chapter	Advances in Composite and Advanced Materials Machining	Scopus	Jan-25	
13	Nagamadhu M	Agricultural Wastes for Production of Biochar	Book Chapter	Biochar Production Engineering	Scopus	Jul-25	
14	Nagamadhu M	Polymer Cation Exchange Sorbents for the Removal of Heavy Metal Ions	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	

15	Nagamadhu M	Activated Carbon and Polymeric Ion Exchange Sorbents for Metaldehyde Elimination	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	
16	Nagamadhu M	Composite Ion-Exchange Sorbents: Development, Properties, and Applications	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	



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1	Keerthi kumar N	Optimization of process parameters for turning machine using Taguchi super ranking method: A case study in valve industry	Conference	Materials Today: Proceedings, Volume 47, Part 10, 2021, Pages 2505-2508	Scopus	Sep-21	
2	K Chandra Sekhara Reddy	Synthesis and characterization of magnesium oxide nanoparticles using combustion method to study the fuel properties	Conference	Materials Today: Proceedings, Volume 49, Part 3, 2022, Pages 797-800	Scopus	Jan-22	
3	Keerthi kumar N	Vibration based condition monitoring of rotating part using spectrum analysis: A case study on milling machine	Conference	Materials Today: Proceedings, Volume 49, Part 3, 2022, Pages 744-747	Scopus	Jan-22	
4	Kiran M D	Tensile and impact strength of nickel coated short carbon fiber reinforced polyester composite	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 1011-1013, 2022	Scopus	Mar-22	
5	Kiran M D	Mechanical properties of HNT filled carbon fabric epoxy composites	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 2048-2052, 2022	Scopus	Mar-22	
6	H K Govindaraju	Evaluation of fatigue behavior of Al6061-T6 alloy using rotating bending test	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 1030-1035, 2022	Scopus	Mar-22	
7	Keerthi Kumar N	A hybrid solar-battery power source with nano - grid smart home with plug-in electric vehicle	Conference	AIP Conference Proceedings 2690, 020039 (2023), ISET International Conference on Applied Science & Engineering (CASE)	Scopus	Mar-23	
8	Kiran M D	Effect of various parameters on fracture toughness of polymer composites: A review	Conference	Materials Today: Proceedings, 2023, International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering.	Scopus	Mar-23	
9	Nagamadhu M	A critical review on microstructure and hardness of aluminum alloy 6061 joints obtained by friction stir welding-past, present, and its prospects,	Conference	Materials Today: Proceedings, Volume 82, 2023, International Conference on Future Trends in Materials and Mechanical Engineering.	Scopus	May-23	
10	G L Anantha Krishna	Experimental investigations with Neodymium – Iron – Boron magnets with aluminum circular plates to find deceleration, time taken and stopping distance	Conference	Materials Today: Proceedings, 14th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	

11	Nagamadhu M	Effect of Ghatti gum content on mechanical properties of epoxy composite using multicriteria optimization techniques	Conference	Materials Today: Proceedings, 14th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	
12	Nagamadhu M	A survey on friction stir welded aluminum composites and their microstructure, hardness, and tensile properties	Conference	Materials Today: Proceedings, 4th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	
13	Keerthi Kumar N	Design and Optimization of Low Power and High-Performance CMOS Circuits	Conference	Proceedings of the 4th International Conference on Smart Electronics and Communication, ICOSEC 2023	Scopus	Sep-23	
14	Keerthi Kumar N	Design and Optimization of Low Power and High-Performance CMOS Circuits	Conference	Proceedings of the Fourth International Conference on Smart Electronics and Communication (ICOSEC-2023) IEEE Xplore Part Number : CFP23V90-ART ; ISBN : 979-8-3503-0088-8	Scopus	Sep-23	
15	Nagamadhu M	Short term creep behavior of neem wood veneer epoxy composites	Conference	AIP Conference Proceedings, International Conference On Advances In Materials, Ceramics And Engineering Sciences	Scopus	Dec-23	
16	Keerthi Kumar N	Investigation of the Use of Renewable Energy in Microgrid Applications	Conference	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024,	Non Scopus	Apr-24	
17	Keerthi Kumar N	Advancements in Chatbot Technology for Enhanced Customer Support in Online Retail	Conference	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation	Non Scopus	Apr-24	
18	Avinash G	Experimental Investigation of Thermal Management In brake systems	Conference	2nd International Conference on Mechanical Engineering: Researches and Evolutionary Challenges-2024	Non Scopus	May-24	
19	Avinash G	Optimizing Brake Disc Cooling Efficiency with Varying Airflow Velocities	Conference	2nd International Conference on Mechanical Engineering: Researches and Evolutionary Challenges-2024	Non Scopus	May-24	
20	Keerthi kumar N	Investigation of the Use of Renewable Energy in Microgrid Applications	Conference	International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	Scopus	Jun-24	
21	Keerthi kumar N	Advancements in Chatbot Technology for Enhanced Customer Support in Online Retail	Conference	International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	Scopus	Jun-24	
22	Keerthi kumar N	Investigation on Wear Behaviour of Nano B4C Reinforced Composite with Zn Alloy Matrix	Conference	Innovations in Electronic Materials: Advancing Technology for a Sustainable Future	Scopus	Jan-25	



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸಾಯ ಮಹಾವಿದ್ಯಾಲಯ
BMS Institute of Technology and Management

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DEPARTMENT OF MECHANICAL ENGINEERING

Student Innovative Projects

S.No.	Academic year	#of Innovative projects
1	2024-2025	02
2	2023-2024	02
3	2022-2023	01

Sl.No	Name of the Faculty	Name of the event	Date of the Event	Place of the Event
1	Dr. Nagamadhu M	Electric Kart Vehicle Championship(EKVC)- 2025	12/03/2025 to 17/03/2025	Hindustan College of Engineering, Coimbatore
2	Dr. Madhu M C	Soapbox Event	09/05/2024	Acharya College of Engineering, Bengaluru
3	Dr. Madhu M C	Solar Deckathlon India	07/05/2025	Infosys, Mysore
4	Dr. Shripad Diwakar	Indian Karting Race(IKR)- 2023	12/10/2023 to 16/10/2023	Galgotia University and Buddha International Circuit, Gr. Noida
5	Dr. Shripad Diwakar	Indian Karting Race(IKR)- 2022	23/10/2022 to 29/10/2022	Galgotia University and Buddha International Circuit, Gr. Noida



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DEPARTMENT OF MECHANICAL ENGINEERING

Summary of MOOC Courses Completed

S.No	Academic year	Total Count of Courses Completed
1	2024-2025	06
2	2023-2024	03
3	2022-2023	03
4	2021-2022	04

MOOC Courses AY 2024-25

Sl.No	Name of the Faculty	Name of the Course Passed	Course Offered by (agency)	Grade obtained if any
1	Sundaresh S	Production and Operation Management	NPTEL Online Certification Jan - Apr 2025	68% - Elite
2	Sundaresh S	Engineering Metrology	NPTEL Online Certification Jul - Oct 2024	78% - Elite
3	K Chandra Sekhara Reddy	Production and Operation Management	NPTEL Online Certification Jan- Apr 2025	65% - Elite
4	Dr. Nagamadhu M	Data - Enabled Tribological Engineering: From Experiments to Predictive Models	NPTEL Online Certification Jan - April 2025	Completed
5	Dr. Nagamadhu M	Artificial Intelligence and Machine Learning in Materials Engineering	NPTEL Online Certification Jul - Oct 2024	Completed
6	Dr. Manjunatha C	Introduction to Internet of Things	NPTEL Online Certification Jan- Apr 2025	73% - Elite

MOOC Courses AY 2023-24

Sl.No.	Name of the Faculty	Name of the Course Passed	Course Offered by (agency)	Grade obtained if any
1	Dr. Keerthikumar N	Introduction to Internet of Things	NPTEL Online Certification Jul - Oct 2023	66% - Elite
2	Dr. Shripad Diwakar	Sustainable Energy Development	NPTEL Online Certification Jul - Oct 2024	Completed
3	Dr. Madhu M C	Fundamentals of Welding Science & Technology	NPTEL Online Jan - March 2024	56%



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MOOC Courses AY 2022-23

Sl.No.	Name of the Faculty	Name of the Course Passed	Course Offered by (agency)	Grade obtained if any
1	Dr. Shripad Diwakar	Plastic Waste Management	NPTEL Online Certification Aug - Oct 2022	66% - Elite
2	Sundaresh S	Data Analytics with Python	NPTEL Online Certification Jan - Apr 2023	60% - Elite
3	Dr. Madhu M C	Solar Energy Engineering and Technology	NPTEL Online Certification July - Oct 2022	Complete

MOOC Courses AY 2021-22

Sl.No.	Name of the Faculty	Name of the Course Passed	Course Offered by (agency)	Grade obtained if any
1	Dr. Shripad Diwakar	Development Research Methods	NPTEL Online Certification Aug - Oct 2021	66% - Elite
2	Sundaresh S	Design, Technology and Innovation	NPTEL Online Certification Feb - Apr 2022	70% - Elite
3	Dr. Madhu M C	Introduction to Research	NPTEL Online Certification Feb - Apr 2022	79% - Elite
4	Kiran M D	Introduction to Data Analysis Using Excel	Coursera	Completed



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DEPARTMENT OF MECHANICAL ENGINEERING

Patents

Sl.No	Name of the Faculty	Title of the patent	Date of granting/ publishing	Status
1	T N Praveenkumar	A System and a Method for Automated Counting of Live Fishes with the Internet of Things and Cloud. Application Number: 201941030099	29-01-2021	Granted
2	T N Praveenkumar	A System for a Helmet with an Inflatable Air Bag Application Number: 202141046205	14-04-2023	Published
3	Dr. Keerthikumar N	An Apparatus, System and Method for Performing Seabed Mapping Application Number: 202441047361	20-12-2024	Published



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Faculty Publications in SCIE Journals

SL No	Faculty Name	Title of the paper	Journal/Conference/Book Chapter	Title of the Journal/Conference/Book Chapter	Scopus/Web of Science	Year of Publication	Quartile
1	Keerthi Kumar N	Effect of Parameters Behavior of Simarouba Methyl Ester Operated Diesel Engine	Journal	Energies 2021, 14, 4973. https://doi.org/10.3390/en14164973	SCIE	Aug-21	Q1
2	Ravichandra R	Coaxiality error analysis and optimization of cylindrical parts of CNC turning process	Journal	The International Journal of Advanced Manufacturing Technology, 120, 6617–6634 (2022)	SCIE	Apr-22	Q1
3	Keerthi Kumar N	Performance evaluation of artificial neural networks in sustainable modelling biodiesel synthesis	Journal	Sustainable Energy Technologies and Assessments, 52, Aug 2022	SCIE	Aug-22	Q1
4	Madhu M C	A novel reconfigurable hybrid DC-AC home technique with renewable energy resources and converters	Journal	International Journal of Sustainable Engineering	SCIE	Oct-23	Q1
5	Kiran M D	Tribological properties of CNT-filled epoxy-carbon fabric composites: Optimization and modelling by machine learning	Journal	Journal of Materials Research and Technology, Volume 28, 2024, Pages 2582-2601.	SCIE	Feb-24	Q1
6	Keerthi Kumar N	Influence of bonding time during diffusion bonding of Ti–6Al–4V to AISI 321 stainless steel on metallurgical and mechanical properties	Journal	Vacuum	SCIE	Apr-24	Q1
7	Nagamadhu M	Ultra-sensitive platform for the detection of a psychostimulant drug using a nanostructured titanium carbide/carbon matrix: Insights into electrochemical sensing mechanism	Journal	Materials Chemistry and Physics	SCIE	Jul-25	Q1
8	Srinidhi Acharya S R	Influence of zirconium carbide particles on the mechanical characteristics of heat treated Al7475 alloy	Journal	Scientific Reports	SCIE	Apr-25	Q1
9	Nagamadhu M	Characterization and evaluation of joint properties of friction stir welded AA7075/GNPs joints obtained using square and cylindrical threaded tool	Journal	Journal of Materials Research and Technology	SCIE	May-25	Q1

10	Nagamadhu M	Dynamic Mechanical Analysis, Biodegradability and Water Absorption Behavior of Permanganate Treated Woven Fabrics/Polyvinyl Alcohol Composites	Journal	Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2068175	SCIE	May-22	Q2
11	K M Sathish Kumar	Experimental Investigation to Confirm the Presence of TiB ₂ Reinforcements in the Matrix and Effect of Artificial Aging on Hardness and Tensile Properties of Stir-Cast LM4-TiB ₂ Composite	Journal	Crystals August 2022, Vol. 12, Issue 8, 1114.	SCIE	Aug-22	Q2
12	Nagamadhu M	Study on tearing strength of woven sisal fabrics for tents and polymer composite applications	Journal	Journal of Natural Fibers, 20:1, 2165590	SCIE	Feb-23	Q2
13	Nithya Poornima S	Experimental Investigation of the Characteristics and Tribological Effectiveness of Pongamia pinnata Lubricant Oil Blended with Nanoadditives	Journal	Lubricants	SCIE	Mar-25	Q2
14	Manjunatha C	Development and mechanical characterisation of hybrid tungsten carbide/graphite reinforced aluminium metal matrix composites using deep learning techniques	Journal	Canadian Metallurgical Quarterly	SCIE	Apr-25	Q2



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SL No	Faculty Name	Title of the paper	Journal/Conference/Book Chapter	Title of the Journal/Conference/Book Chapter	Scopus/Web of Science	Year of Publication	Quartile
1	Kiran M D	Tribological Characterization of Epoxy Hybrid Composites Reinforced with Al ₂ O ₃ Nanofiller	Journal	Advances in Materials Science and Engineering Volume 2023, Article ID 8196933	Scopus	Jan-23	Q2
2	Nagamadhu M	Performance studies on a solar PV-powered multi-stage cooling system	Journal	Cogent Engineering	Scopus	Aug-24	Q2
3	Nithya Poornima S	Exploring Nano-Graphene in Bio-Lubricants: Innovative Approaches to Reduce Friction and Wear Engineering Systems	Journal	Letters in High Energy Physics, Volume 2024	Scopus	Oct-24	Q2
4	Nithya Poornima S	Tribological Properties of Bio-Nano Lubricants: A Study on Friction, Wear, and Lubrication Efficiency	Journal	Letters in High Energy Physics, Volume 2024	Scopus	Oct-24	Q2
5	Kiran M D	Study of Abrasive Wear Behavior of Epoxy-Carbon Fiber Composites with Nano Al ₂ O ₃ Filler: An Algorithmic Approach	Journal	Journal of Bio- and Triboro-Corrosion	Scopus	Jan-25	Q2
6	Nagamadhu M	Comparative analysis of fly ash cenosphere and copper reinforcements in friction stir welded AA6082-T6 alloy	Journal	Materials Research Express	Scopus	Jun-25	Q2
7	Keerthi Kumar N	Effect of Injection Timing in Direct Injection Diesel Engine using Plastic Oil Diesel Blends with Biodiesel as an Additive	Journal	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 101, Issue 2 (2023) 73-84	Scopus	Dec-22	Q3
8	Madhu M C	A Novel Hybrid DC-AC Configuration for Apartment Complexes with BIPV	Journal	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING,	Scopus	Dec-22	Q3
9	Nagamadhu M	Influence of Textile Properties on Mechanical Characterization of Woven Sisal Fabrics and sawdust polymer composites bricks analysis using ANOVA and Multi Objective Decision-Making Techniques	Journal	Eur. Chem. Bull. 2023,12(10), 10344-10370	Scopus	Jul-23	Q3
10	Nagamadhu M	Influence of CNT Particle on Mechanical Properties of Epoxy Composites.	Journal	Journal of Mines, Metals and Fuels	Scopus	Nov-23	Q3

11	Nagamadhu M	Assessing the Von Mises Impact of HSS Twist-Drilled Holes on Pretreated Sandwich Composites Through FE Analysis	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Feb-24	Q3
12	Nagamadhu M	Evaluating the Von Mises Effect of HSS Twist Drilled Hole on Untreated Sandwich Composites by FE Analysis	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Feb-24	Q3
13	Kiran M D	3D finite element analysis of carbon fiber reinforced aluminium alloy wheel	Journal	Interactions, Volume 245, article number 252, (2024),	Scopus	Aug-24	Q3
14	Chethan D	Optimizing Dental Composites: Synergistic Effects of Calcite–Zincate Nanoparticles in PMMA Resin for Enhanced Mechanical Performance	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Oct-24	Q3
15	Kiran M D	Effect of Fillers on Machinability of Polymer Matrix Composites: A Review	Journal	Journal of Propulsion Technology	Scopus	Dec-24	Q3
16	Nagamadhu M	Taguchi-Based Experimentation Technique in Combination with Multifactor Regression for Optimization of Refrigerants, Design and Process Parameters to Maximize Heat Transfer in Heat Pumps	Journal	Journal of The Institution of Engineers (India): Series C	Scopus	Apr-25	Q3
17	G L Anantha Krishna	Experimental Investigations to Study the Influence of Thickness and Speed of Aluminum Discs on Brake Parameters with Neodymium – Iron – Boron Magnets	Journal	Journal of Mines, Metals and Fuels	Scopus	Dec-22	Q4
18	Nagamadhu M	Statistical Significant Analysis of Hardness of Poly Vinyl Alcohol Crosslinked Glutaraldehyde using Turnkey HSD Method	Journal	Journal of Mines, Metals and Fuels, 70(10A): 94-100; 2022.	Scopus	Mar-23	Q4
19	G L Anantha Krishna	Optimisation of Permanent Magnet Eddy Current Braking System using Aluminum Discs by Taguchi Technique	Journal	Journal of Mines, Metals and Fuels	Scopus	Dec-23	Q4
20	Nithya Poornima S	Rheological Insights and Optimization of Bio Nano Lubricants in Tribological Systems	Journal	Nanotechnology Perceptions	Scopus	Nov-24	Q4
21	Madhu M C	Optimization of Mechanical Properties of <i>Cordia dichotoma</i> /Alumina Nanoparticle Reinforced Epoxy Nanocomposites Under Alkali Treatment Using ANN Techniques	Journal	Journal of Environmental Nanotechnology	Scopus	Jun-25	Q4
22	Shripad Diwakar	Design and Fabrication of Agricultural Shredder Machine	Journal	GIS SCIENCE JOURNAL, VOLUME 10, ISSUE 6	Scopus	Jul-23	
23	Sundaresh S	Synthesis of Simarouba and Black Seed oil blended Biodiesel and Investigation of its Performance and Emission Characteristics on CI Engine	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	

24	Sriganesh T G	Chassis Design of Simple Battle Tank	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	
25	Shripad Diwakar	Pyrolysis process to produce fuel from waste plastics	Journal	GIS Science Journal, Volume 8, Issue 9, 2021	Scopus	Aug-21	
26	K Chandra Sekhara Reddy	Design and Analysis of E-Bicycle Wheel converted from normal bicycle	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	
27	Nithya Poornima S	Quality check of Food Grains using Gas Sensors" in GIS Science Journal	Journal	GIS Science Journal, VOLUME 8, ISSUE 10, 2021	Scopus	Aug-21	
28	Nagamadhu M	Experimental Investigation on the Performance of Different Cutting Fluids on Cutting Force During Turning of Duplex Stainless Steel-2205 under MQL Technique	Journal	Mathematical Modelling of Engineering Problems Vol. 9, No. 1, February, 2022, pp. 136-143	Scopus	Feb-22	



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1	Keerthi kumar N	Design and fabrication strategies for enhancing patient comfort and sustainability through PETG based 3D-printed orthoses	Journal	Progress in Additive Manufacturing	Web of science	Jan-25	Q1
2	K M Sathish Kumar	Advancements in EBSD Techniques: A Comprehensive Review on Characterization of Composites and Metals, Sample Preparation, and Operational Parameters	Journal	Journal of Composites Science	Web of science	Mar-25	Q1
3	Nagamadhu M	Effect of Printing Parameters on Mechanical Properties and Warpage of 3D-Printed PEEK/CF-PEEK Composites Using Multi-Objective Optimization Technique	Journal	Journal of Composite Science	Web of science	Apr-25	Q1
4	Ravichandra R	Computational investigations of aluminum based airfoil profiles of helical shaped vertical axis wind turbines suitable for friction stir joining and processing.	Journal	Int J Interact Des Manuf (2023)	Web of science	Jan-23	Q2
5	Nagamadhu M	Influence of textile properties and textile pattern on sisal reinforced Poly Vinyl Ester (Flex GR 200-60) composite	Journal	Advances in Materials and Processing Technologies , pages 1-12.	Web of science	Jun-23	Q2
6	Kiran M D	Effect of CNT filler and temperature on fracture toughness of epoxy composites reinforced with carbon fabric	Journal	Engineering Reports. 2023;e12816	Web of science	Nov-23	Q2
7	H K Govindaraju, Kiran M D	Mechanical characterisation and microstructure study of Al-Zn alloy processed by equal channel angular pressing combined with heat treatment	Journal	Advances in Materials and Processing Technologies,	Web of science	Dec-23	Q2
8	Nagamadhu M	Effect of Zirconium Silicate Reinforcement on Aluminum 7075; Mechanical Properties, Thermomechanical Analysis and Vibrational Behavior	Journal	Eng	Web of science	Jan-25	Q2

9	H K Govindaraju	Fracture Analysis and Tensile properties of Equal Channel Angular Pressed Al-Zn Alloy for the Industrial Application	Journal	Journal of Failure Analysis and Prevention, Springer,21, pages 1784–1794 , August 2021	Web of science	Aug-21	Q3
10	K M Sathish Kumar	Policies and Challenges for Implementation of ICT at Higher Education in Technologically Advanced Countries	Journal	Journal of Information Systems Engineering and Management	Web of science	Feb-25	Q3